

# HW

- 1) (a) All seniors at her high school  
(b) % of seniors who plan to go to the prom  
(c)  $\hat{p} = 50/750 = 0.0667$
- 2) (a) people who use public restrooms  
(b) % of people who wash their hands after using public restrooms  
(c)  $\hat{p} = 4679/6076 = 77\%$
- 5) (a) % of women who don't get enough time for themselves  
(b)  $\hat{p} = 482/1025 = 0.47$

$$0.47 \pm (1.96) \sqrt{\frac{(0.47)(0.53)}{1025}} = 0.47 \pm 0.031 = (0.439, 0.501)$$

- (c) We are 95% confident that the true % of women who don't get enough time for themselves is btw 43.9% and 50.1%.